

Fig. 1

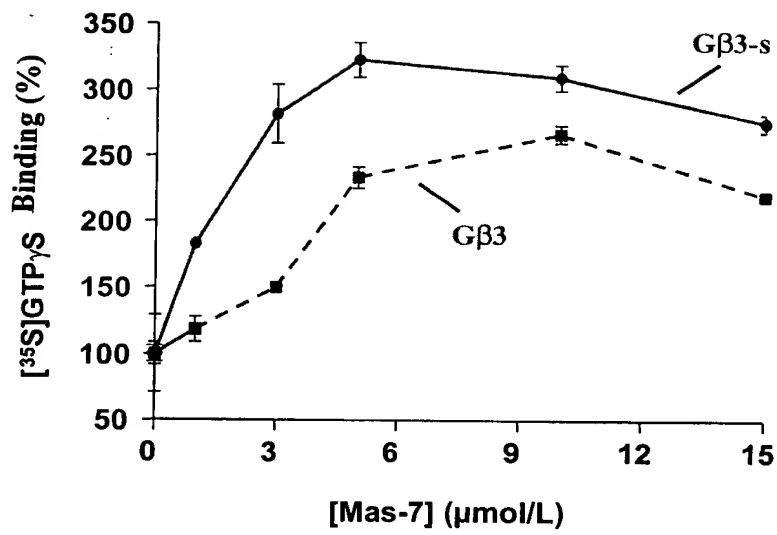


Fig. 2

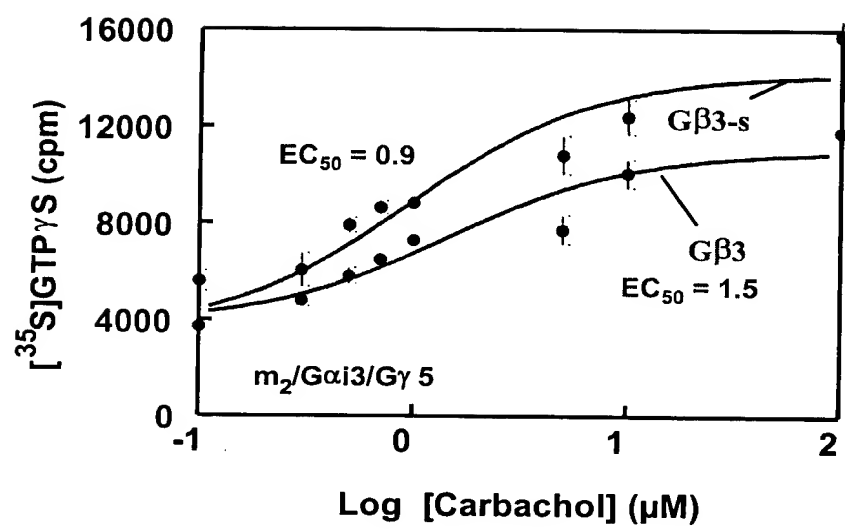


Fig. 3

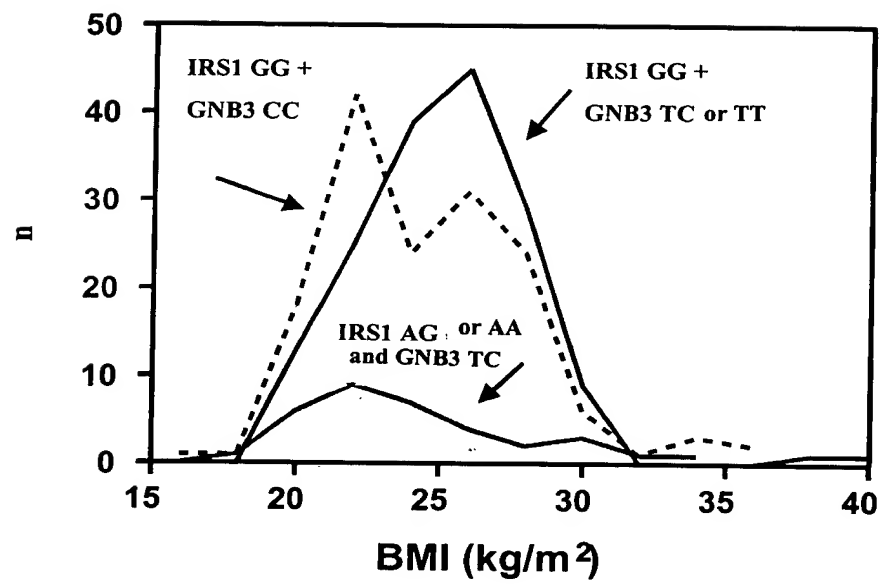


Fig. 4

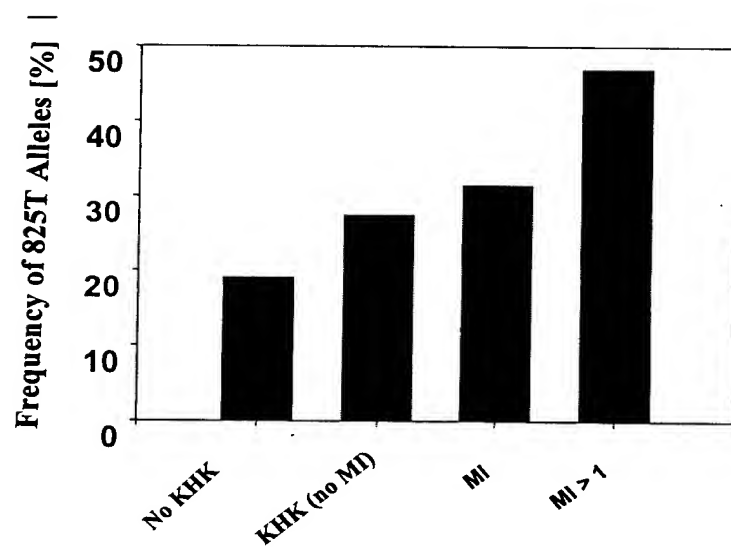


Fig. 5

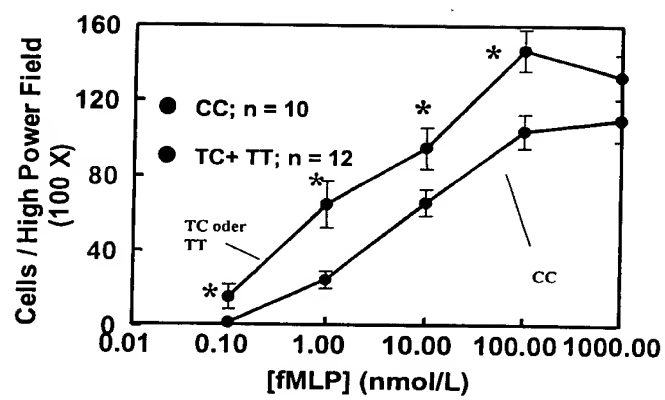


Fig. 6

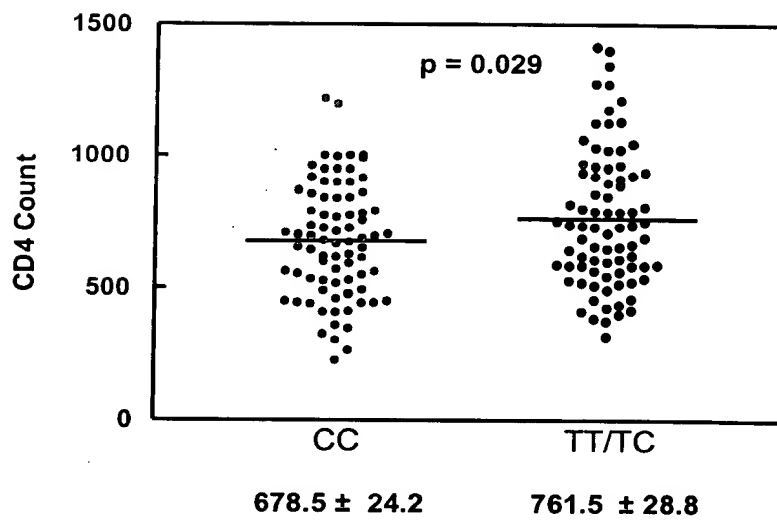


Fig. 7

Enhanced Chemotaxis of T-Lymphocytes from 825T Allele Carriers

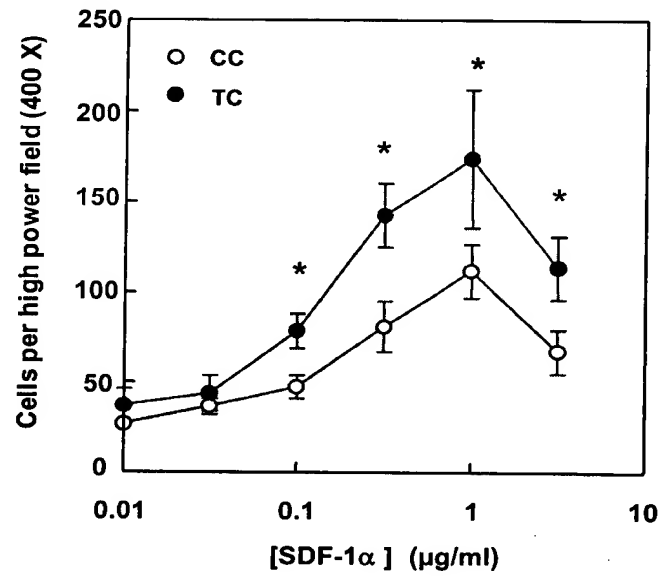


Fig. 8

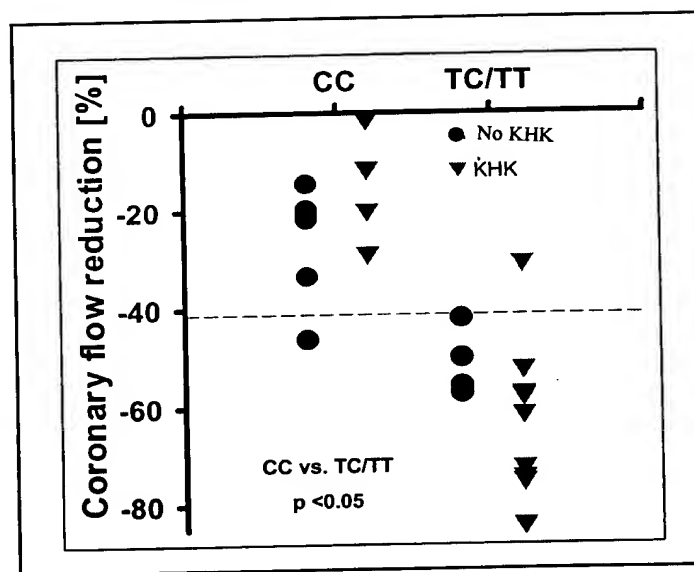


Fig. 9

Time to AIDS

AIDS is defined as AIDS-defining disorders or CD4 count < 200

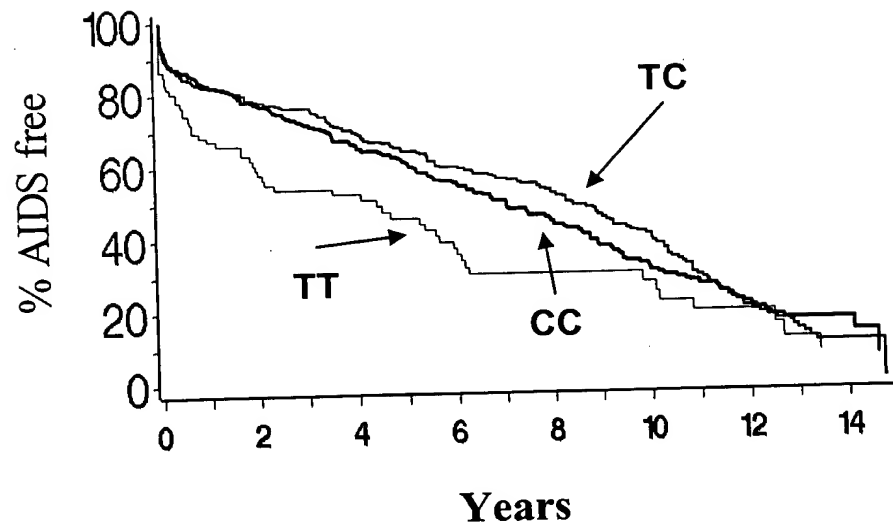


Fig. 10

Event: CD4 Cell Count Below 200 per μ l

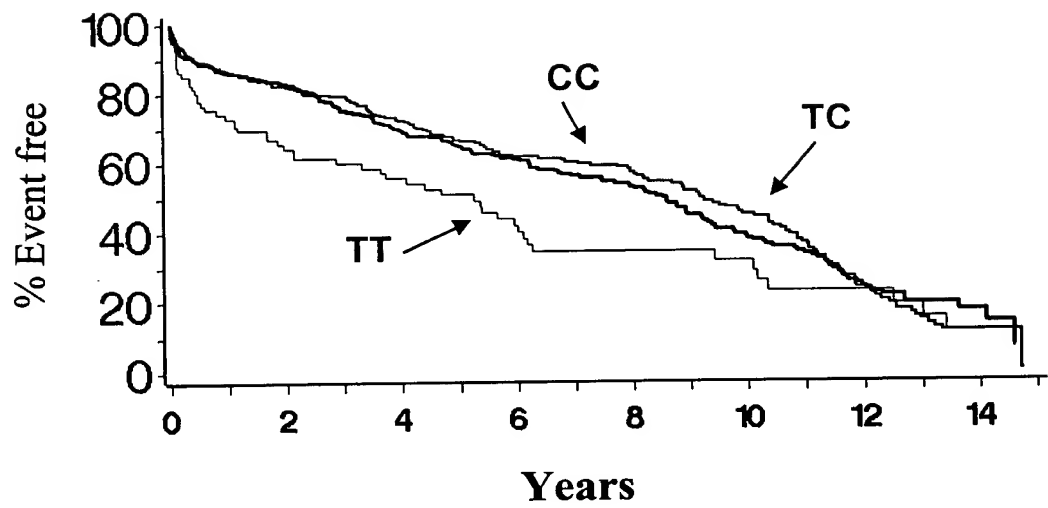


Fig. 11

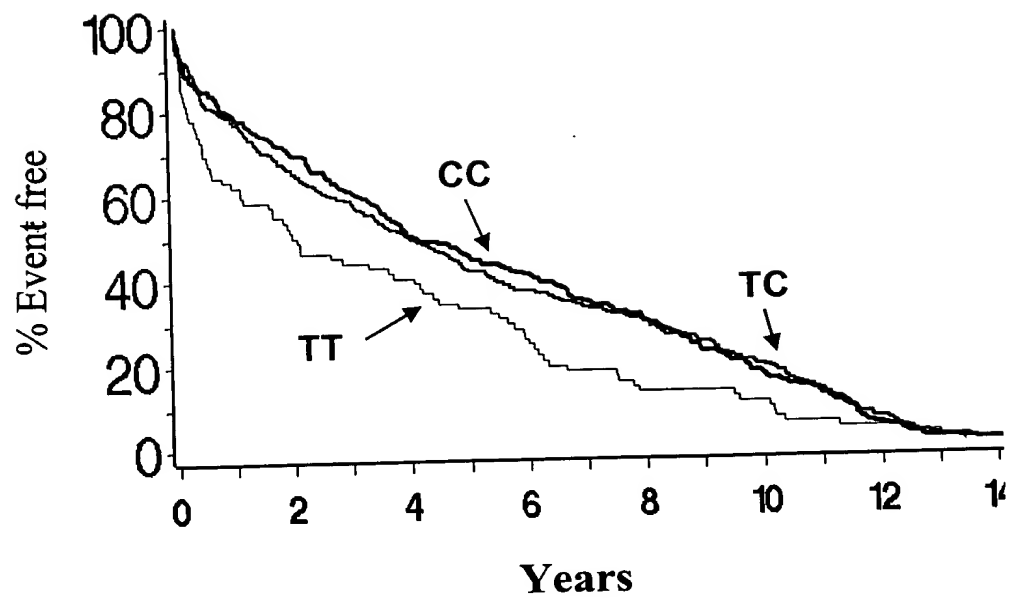
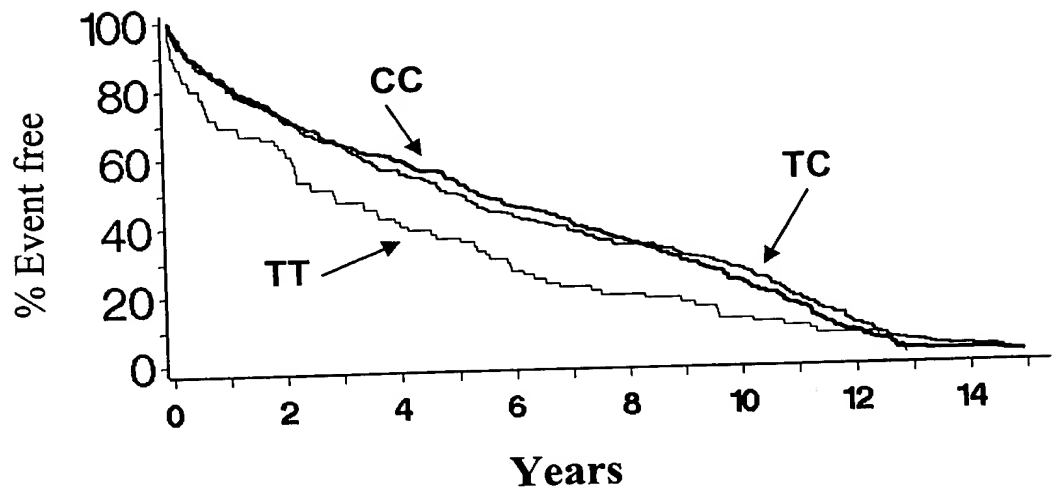
Event: Lowest CD4 Cell Count

Fig. 12

Event: Time to maximum HIV Virus Load
Virus Copy Number determined by Quantitative PCR



1. What is the purpose of the document?
 2. What are the main points of the document?
 3. What are the key findings of the document?
 4. What are the recommendations of the document?
 5. What are the conclusions of the document?
 6. What are the next steps?
 7. What are the dates and times of the meetings?
 8. What are the names of the participants?
 9. What are the topics of the meetings?
 10. What are the outcomes of the meetings?
 11. What are the responsibilities of the participants?
 12. What are the deadlines for the tasks?
 13. What are the resources available for the tasks?
 14. What are the risks associated with the tasks?
 15. What are the mitigation strategies for the risks?
 16. What are the monitoring and evaluation mechanisms?
 17. What are the reporting requirements?
 18. What are the communication channels?
 19. What are the contact details of the participants?
 20. What are the references of the document?

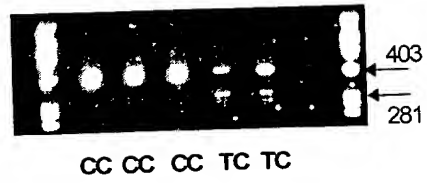


Fig. 14

Potential Structures of G β 3 and G β 3s / G β 3s-2

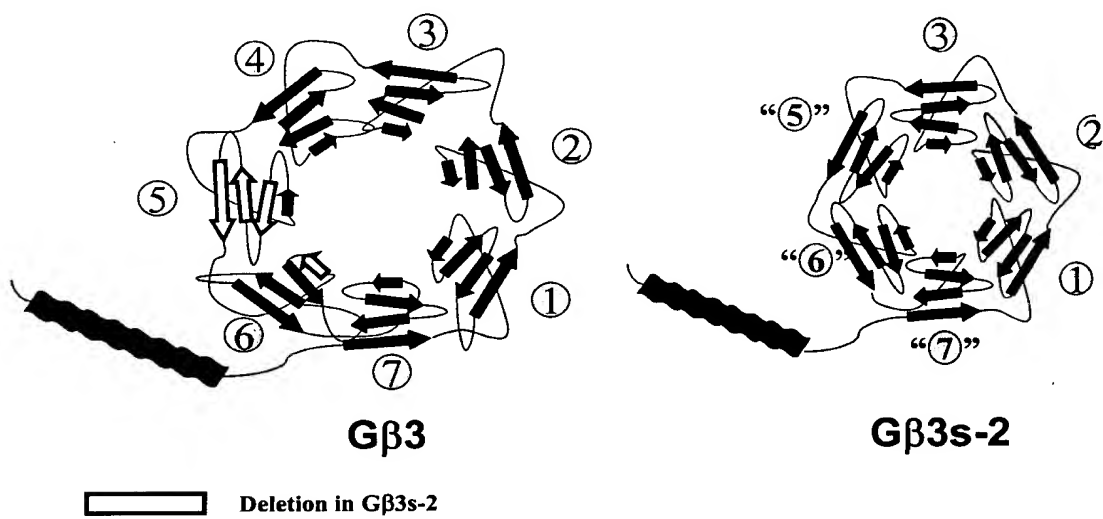


Fig. 15

1 Sf9 Cells
varianten

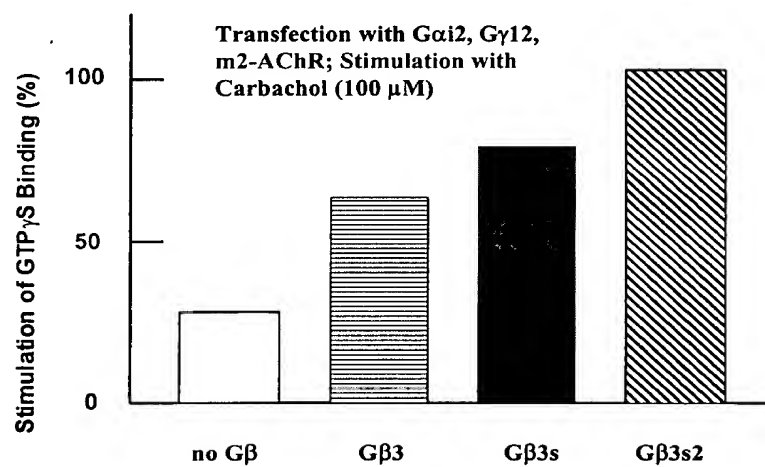


Fig. 16

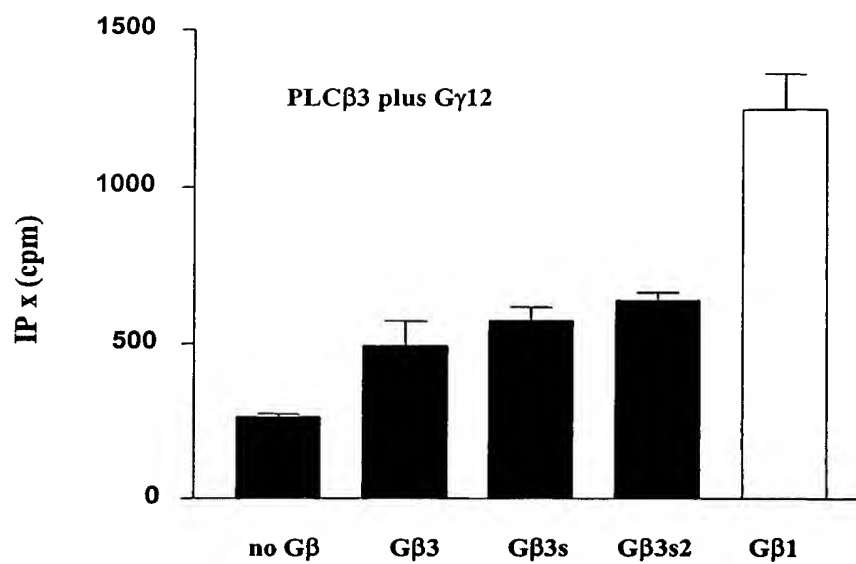


FIG. 17 β 3-original sequence of Levine. The exons are underlined alternately. The area which is omitted by cryptic splice as bold-faced.

1 gggtcgATGG GGGAGATGGA GCAACTGCGT CAGGAAGCGG AGCAGCTCAA GAAGCAGATT
 Start-ATG EXON 3 after Ansari-Lari
 Nucleotide 1-6 seem not to be affected

61 GCAGATGCCA GGAAAGCCTG TGCTGACGTT ACTCTGGCAG AGCTGGTGTC TGGCCTAGAG
 /Beginning EXON 4 /EXON 5 Beginning
 ==> ENDE 1 KLON ANSARI

121 GTGGTGGGAC GAGTCCAGAT GCGGACGCGG CGGACGTTAA GGGGACACCT GGCCAAGATT
 EXON 5

181 TACGCCATGC ACTGGGCCAC TGATTCTAAG CTGCTGGTAA GTGCCTCGCA AGATGGGAAG
 EXON 5 / Beginning EXON 6

241 CTGATCGTGT GGGACAGCTA CACCACCAAC AAGGTGCACG CCATCCCCT GCGCTCCTCC
 EXON 6 / EXON 7

301 TGGGTCATGA CCTGTGCCTA TGCCCCATCA GGGAACTTG TGGCATGTGG GGGGCTGGAC
 EXON 7

361 AACATGTGTT CCATCTACAA CCTCAAATCC CGTGAGGGCA ATGTCAAGGT CAGCCGGGAG
 EXON 7

421 CTTCTGCTC ACACAGGTTA TCTCTCCTGC TGCCGCTTCC TGGATGACAA CAATATTGTG
 EXON 7 /EXON 8

481 ACCAGCTCGG GGGACACCAC GTGTGCCTTG TGGGACATTG AGACTGGGCA GCAGAAGACT
 EXON 8 /EXON 9

cryptic SPLICING

541 GTATTGTGG GACACACGGG TGACTGCATG AGCCTGGCTG TGTCTCCTGA CTTCATCTC
 EXON 9
 cryptic SPLICING

601 TTCATTTTCGG GGGCCTGTGA TGCCAGTGCC AAGCTCTGGG ATGTGCGAGA GGGGACCTGC
 EXON 9
 cryptic SPLICING /

661 CGTCAGACTT TACTGGCCA CGAGTCGGAC ATCAACGCCA TCTGTTTCTT CCCCAATGGA
 EXON 9 / Beginning EXON 10

721 GAGGCCATCT GCACGGGCTC GGATGACGCT TCCTGCCGCT TGTTTGACCT GCGGGCAGAC
 EXON 10

781 CAGGAGCTGA TCTGCTTCTC CCACGAGAGC ATCATCTGCG GCATCACGTC CGTGGCCTTC
 EXON 10 Polymorphism site acgtc tgt

841 TCCCTCAGTG GCCGCCTACT ATTCGCTGGC TACGACGACT TCAACTGCAA TGTCTGGGAC
 EXON 10

901 TCCATGAAGT CTGAGCGTGT GGGCATCCTC TCTGGCCACG ATAACAGGGT GAGCTGCCTG
 EXON 10 /Beginning EXON 11

961 GGAGTCACAG CTGACGGGAT GGCTGTGGCC ACAGGTTCTT GGGACAGCTT CCTCAAAATC
 EXON 11

1021 TGGAAGTGAq gaggtggag aaagggaggt ggaaggcagt gaacacactc agcagccccc
 EXON 11
 End of Open Reading Frame

1081 tgcccgaccc catctcattc aggtgttctc ttctatatc cgggtgccat tccactaag
 EXON 11

1141 ctttctcctt tgagggcagt ggggagcatg ggactgtgcc tttgggaggc agcatcaggg
 EXON 11

[illegible]

Fig. 18 Sequence with two polymorphisms (Numbering after the Levine sequence)

gggtcgatgg	gggagatgga	gcaactgcgt	caggaagcgg	agcagctcaa	gaagcagatt	60
gcagatgcc	ggaaagcctg	tgctgacgtt	actctggcag	agctggtgtc	tggcctagag	120
gtggtgggac	gagtcagat	gcggacgcgg	cggacgttaa	ggggacacct	ggccaagatt	180
tacgccatgc	actggggcac	tgattctaag	ctgctggtaa	gtgcctcgca	agatgggaag	240
ctgatcggtg	gggacagcta	caccaccaac	aaggtgcacg	ccatcccact	gcgtcctcc	300
tgggtcatga	cctgtgccta	tgcccatca	gggaactttg	tggcatgtgg	ggggctggac	360
aacatgtgtt	ccatctacaa	cctcaaattc	cgtgagggca	atgtcaagg	cagccgggag	420
ctttctgctc	acacaggtta	tctctcctgc	tgccgcttcc	tggatgacaa	caatattgtg	480
accagctcgg	gggacaccac	gtgtgccttg	tgggacattg	agactgggca	gcagaagact	540
gtatttgtgg	gacacacggg	tgactgcatg	agcctggctg	tgtctcctga	cttcaatctc	600
ttcatttcgg	gggcctgtga	tgccagtgcc	aagctctggg	atgtgcgaga	ggggacctgc	660
cgtcagactt	tacttgccca	cgagtcggac	atcaacgcca	tctgtttctt	ccccaatgga	720
gaggccatct	gcacgggctc	ggatgacgct	tcctgccgct	tgtttgacct	gcgggcagac	780
caggagctga	tctgcttctc	ccacgagagc	atcatctgcg	gcatcacgtc	tgtggccttc	840
tccctcagtg	gccgcctact	attcgctggc	tacgacgact	tcaactgcaa	tgtctgggac	900
tccatgaagt	ctgagcgtgt	gggcatcctc	tctggccacg	ataacagggt	gagctgcctg	960
ggagtcacag	ctgacgggat	ggctgtggcc	acaggttcct	gggacagctt	cctcaaaatc	1020
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tgcccgaccc	catctcattc	aggtgttctc	ttctatatcc	cgggtgccat	tcccactaag	1140
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acacaggggc	aaagaactgc	cccatctcct	cccatggcct	tccctcccca	cagtcctcac	1260
agcctctccc	ttaatgagca	aggacaacct	gcccctcccc	agccctttgc	aggcccagca	1320
gacttgagtc	tgaggcccca	ggccctagga	ttcctccccc	agagccacta	cctttgtcca	1380
tctggcacta	ctaggcctgg	gtggtatagg	gcgtttggcc	ctgtgactat	ggctctggca	1440
ccactagggg	cctggccctc	ttcttattca	tgctttctcc	tttttctacc	ttttttcttc	1500
tcctaagaca	cctgcaataa	agtgtagcac	cctggg			1536

Fig. 19 Nucleic acid sequence of cDNA of G β 3 and description of the deletion in G β 3 and G β 3s-2. Numbering referenced to the cDNA of Levine et al.(Levine, M.A., Smallwood, P.M., Moen, P.T., Jr., Helman, L.J., and Ahn, T.G. Molecular cloning of β 3 subunit, a third form of the G protein beta-subunit polypeptide.

Proc.Natl.Acad.Sci.USA 87(6):2329-2333, 1990) Here numbering does not begin with start codon ATG, but 6 nucleotides earlier in the 5' area.

```

1   gggtcgATGG GGGAGATGGA GCAACTGCGT CAGGAAGCGG AGCAGCTCAA GAAGCAGATT
    Start-ATG      EXON 3
    Nucleotide 1-6 seem not to be affected

61  GCAGATGCCA GGAAAGCCTG TGCTGACGTT ACTCTGGCAG AGCTGGTGTC TGGCCTAGAG
    /Beginn EXON 4                                /EXON 5 Beginning

121 GTGGTGGGAC GAGTCCAGAT GCGGACGCGG CGGACGTTAA GGGGACACCT GGCCAAGATT
    EXON 5

181 TACGCCATGC ACTGGGCCAC TGATTCTAAG CTGCTGGTAA GTGCCTCGCA AGATGGGAAG
    EXON 5                                / Beginning EXON 6

241 CTGATCGTGT GGGACAGCTA CACCACCAAC AAGGTGCACG CCATCCCCT GCGCTCCTCC
    EXON 6                                / EXON 7

301 TGGGTCATGA CCTGTGCCTA TGCCCCATCA GGGAACCTTG TGGCATGTGG GGGGCTGGAC
    EXON 7

361 AACATGTGTT CCATCTACAA CCTCAAATCC CGTGAGGGCA ATGTCAAGGT CAGCCGGGAG
    EXON 7

421 CTTTCTGCTC ACACAGGTTA TCTCTCCTGC TGCCGCTTCC TGGATGACAA CAATATTGTG
    EXON 7                                /EXON 8

```

481 ACCAGCTCGG GGGACACCAC GTG **TGGGCTTG TGGGACATTG AGAGTGGCA GGAGAAGCT**
EXON 8 /EXON 9

541 GTATTGTGGG GACACAGCGG TCACTCCATC AGCCTGGCTC TCTGTCTCTA CTTCATTCAC

501. TTCAATTTCGGC GGGCGCTGCGA TGGCAGTGCC AAGCTCTGGG ATGTGCGAGA GGGGACCTGC

EXON 9

661 CGTCAGACTT TCACTGGCCA CGAGTCGGAC ATCAACGCCA TCTGTTT ~~TTT TCCCAATGGA~~
EXON 9 / Beginn EXON 10
Intron dazwischen 1607 bp

721 GAGGCCATCT GCACGGGCTC GGATGACGCT TCCTGCCGCT TGTTTGACCT GCGGGCAGAC
EXON 10

781 **CACGACCTGA TGTGCTTCTG CCACGACACG ATGATCTGCG GATTCAGCTC GGTGGCTT**
EXON 10 polymorphism site acgtc tgt

841 TCCCTCAGTG GCCGCCTACT ATTCGCTGGC TACGACGACT TCAACTGCAA TGTCTGGGAC
EXON 10

901 TCCATGAAGT CTGAGCGTGT GGGCATCCTC TCTGGCCACG ATAACAGGGT GAGCTGCCTG
EXON 10 /Beginning EXON 11 (Intron dazw. 989 bp)

961 GGAGTCACAG CTGACGGGAT GGCTGTGGCC ACAGGTCCT GGGACAGCTT CCTCAAATC
EXON 11

1021 TGGAAGTGA gaggctggag aaaggggaagt ggaaggcagt gaacacactc agcagcccc
EXON 11

End of Open Reading Frame B3-3

1081 tgcccgaccc catctcattc aggtgttctc ttctatatctc cgggtgccat tcccactaag
EXON 11

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$.

atg	ggg	gag	atg	gag	caa	ctg	cgt	cag	gaa	gcg	gag	cag	ctc	aag	aag	48
Met	Gly	Glu	Met	Glu	Gln	Leu	Arg	Gln	Glu	Ala	Glu	Gln	Leu	Lys	Lys	
				5					10					15		
cag	att	gca	gat	gcc	agg	aaa	gcc	tgt	gct	gac	gtt	act	ctg	gca	gag	96
Gln	Ile	Ala	Asp	Ala	Arg	Lys	Ala	Cys	Ala	Asp	Val	Thr	Leu	Ala	Glu	
			20					25					30			
ctg	gtg	tct	ggc	cta	gag	gtg	gtg	gga	cga	gtc	cag	atg	cgg	acg	cgg	144
Leu	Val	Ser	Gly	Leu	Glu	Val	Val	Gly	Arg	Val	Gln	Met	Arg	Thr	Arg	
		35					40					45				
cgg	acg	tta	agg	gga	cac	ctg	gcc	aag	att	tac	gcc	atg	cac	tgg	gcc	192
Arg	Thr	Leu	Arg	Gly	His	Leu	Ala	Lys	Ile	Tyr	Ala	Met	His	Trp	Ala	
	50					55					60					
act	gat	tct	aag	ctg	ctg	gta	agt	gcc	tcg	caa	gat	ggg	aag	ctg	atc	240
Thr	Asp	Ser	Lys	Leu	Leu	Val	Ser	Ala	Ser	Gln	Asp	Gly	Lys	Leu	Ile	
65				70					75					75		
gtg	tgg	gac	agc	tac	acc	acc	aac	aag	gtg	cac	gcc	atc	cca	ctg	cgc	288
Val	Trp	Asp	Ser	Tyr	Thr	Thr	Asn	Lys	Val	His	Ala	Ile	Pro	Leu	Arg	
				80				85					90			
tcc	tcc	tgg	gtc	atg	acc	tgt	gcc	tat	gcc	cca	tca	ggg	aac	ttt	gtg	336
Ser	Ser	Trp	Val	Met	Thr	Cys	Ala	Tyr	Ala	Pro	Ser	Gly	Asn	Phe	Val	
		95					100					105				
gca	tgt	ggg	ggg	ctg	gac	aac	atg	tgt	tcc	atc	tac	aac	ctc	aaa	tcc	384
Ala	Cys	Gly	Gly	Leu	Asp	Asn	Met	Cys	Ser	Ile	Tyr	Asn	Leu	Lys	Ser	
		110			115				120							
cgt	gag	ggc	aat	gtc	aag	gtc	agc	cgg	gag	ctt	tct	gct	cac	aca	ggc	432
Arg	Glu	Gly	Asn	Val	Lys	Val	Ser	Arg	Glu	Leu	Ser	Ala	His	Thr	Gly	
	125				130				135							
cat	ctc	tcc	tgc	tgc	cgc	ttc	ctg	gat	gac	aac	aat	att	gtg	acc	agc	480
Tyr	Leu	Ser	Cys	Cys	Arg	Phe	Leu	Asp	Asp	Asn	Asn	Ile	Val	Thr	Ser	
140				145				150					155			
tcg	ggg	gac	acc	acg	tgt	gcc	ttg	tgg	gac	att	gag	act	ggg	cag	cag	528
Ser	Gly	Asp	Thr	Thr	Cys	Ala	Leu	Trp	Asp	Ile	Glu	Thr	Gly	Gln	Gln	
160				165				170					175			
aag	act	gta	ttt	gtg	gga	cac	acg	ggc	gac	tgc	atg	agc	ctg	gct	gtg	576
Lys	Thr	Val	Phe	Val	Gly	His	Thr	Gly	Asp	Cys	Met	Ser	Leu	Ala	Val	
				180				185					190			
ctc	cct	gac	ttc	aat	ctc	ttc	att	tcg	ggg	gcc	tgt	gat	gcc	agt	gcc	624
Ser	Pro	Asp	Phe	Asn	Leu	Phe	Ile	Ser	Gly	Ala	Cys	Asp	Ala	Ser	Ala	
			195	</												

